

Table 7-1

**WETLANDS SEDIMENT
ANALYTICAL RESULTS SUMMARY
CANOL PUMP STATION J
MILEPOST 1,285.5 ALASKA HIGHWAY, ALASKA**

	BACKGROUND		TARGET		
EPA Sample Number	98314031	98314021	98314023	98314025	98314027
Sample Location Number	BG03SD	WL01SD	WL03SD	WL05SD	WL07SD
Depth (feet bgs)	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
VOCs (µg/kg)					
2-Butanone	35.2 UJK (352) ^b	2100 UJK	93.9 JL	29.7 JL	12.7 UJK
2-Propanone	70.4 U	4360 UJK	254	185 U	89.4 U
Benzene, 1,3,5-trimethyl-	3.5 U	7860 JL	2.2 U	3.2 U	3.2 U
n-Butylbenzene	3.5 U	4300 JL	2.2 U	3.2 U	3.2 U
Toluene	3.5 U	210 UJK	11.9	3.2 U	3.2 U
SVOCs (µg/kg)					
Bis(2-ethylhexyl) phthalate	1200 U	984000	833 U	899 U	1250 U
Dibenzofuran	240 U	4650	167 U	180 U	250 U
Naphthalene	240 U	8680	167 U	180 U	250 U
Naphthalene, 1-methyl-	240 U	75100	167 U	180 U	250 U
Naphthalene, 2-methyl-	240 U	44600	167 U	180 U	250 U
Phenanthrene	240 U	4900	167 U	180 U	250 U
Retene	240 U	599	376	180 U	250 U
GROs/BTEX (mg/kg)					
Toluene	0.27	0.75 U	0.027 U	0.18	0.073 U
m,p-Xylene	0.35	0.75 U	0.027 U	0.095	0.073 U
DROs/RROs (mg/kg)					
Diesel Range Organics	150	30000	45	44	330
Residual Range Organics	800	1400	270	180	2000
Inorganics (mg/kg)					
Aluminum	11000	4870 JK	9970	11100	14700
Antimony	1.6 UJL (3.6) ^b	1.9 UJL	0.94 JBL	1.4 JBL	2.1 JBL
Arsenic	8.8	2.6 U	4	3.3	5.4
Barium	130	92.9 JB	137	104	143
Calcium	6560	16800	3450	5260	8020
Chromium	18	7.3	12	16.2	23.4
Copper	23.4	19.5	20.3	32.2	33.9
Iron	21000	7890 JK	16200	20500	25800 JK
Lead	2.5 JK (3.6)^b	6.5 JK (4.5)^b	11.8	1.2	1.1 JK
Magnesium	3140	1700 JB	3010	5270	6480
Manganese	281	749	390	261	646
Nickel	11.9 JBK (16)^a	6.3 JB	9.9	17.1	19.8
Potassium	375 JBK	191 U	1880 JK	778 JB	506 JB
Vanadium	76	19.8 JB	35.8	48	63.8
Zinc	27.7	15.9	32.1	25.4	51.4

^a Contract required detection/quantitation limit.^b Adjusted concentration as per EPA document number, EPA 540-F-94-028.

Note :

Bold type indicates concentrations above sample quantitation limit or detection limit.

Underlined type indicates result is elevated as defined in Section 5.

Key:

- B = Sample detected below contract required detection limit, but greater than or equal to the instrument detection limit.
- BGS = Below ground surface.
- BTEX = Benzene, toluene, ethylbenzene, and total xylenes.
- DRO = Diesel range organics.
- EPA = U.S. Environmental Protection Agency.
- GRO = Gasoline range organics.
- J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- K = Unknown bias.
- L = Low bias.
- mg/kg = Milligrams per kilogram.
- RRO = Residual range organics.
- SVOCs = Semivolatile organic compounds.
- U = The analyte was analyzed for, but was not detected at the reported sample quantitation limit.
- µg/kg = Micrograms per kilogram.
- VOCs = Volatile organic compounds.